

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

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|--------------|--------|---|
| NEWS 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS 2 | Apr 08 | "Ask CAS" for self-help around the clock |
| NEWS 3 | Apr 09 | BEILSTEIN: Reload and Implementation of a New Subject Area |
| NEWS 4 | Apr 09 | ZDB will be removed from STN |
| NEWS 5 | Apr 19 | US Patent Applications available in IFICDB, IFIPAT, and IFIUDB |
| NEWS 6 | Apr 22 | Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS |
| NEWS 7 | Apr 22 | BIOSIS Gene Names now available in TOXCENTER |
| NEWS 8 | Apr 22 | Federal Research in Progress (FEDRIP) now available |
| NEWS 9 | Jun 03 | New e-mail delivery for search results now available |
| NEWS 10 | Jun 10 | MEDLINE Reload |
| NEWS 11 | Jun 10 | PCTFULL has been reloaded |
| NEWS 12 | Jul 02 | FOREGE no longer contains STANDARDS file segment |
| NEWS 13 | Jul 22 | USAN to be reloaded July 28, 2002;
saved answer sets no longer valid |
| NEWS 14 | Jul 29 | Enhanced polymer searching in REGISTRY |
| NEWS 15 | Jul 30 | NETFIRST to be removed from STN |
| NEWS 16 | Aug 08 | CANCERLIT reload |
| NEWS 17 | Aug 08 | PHARMAMarketLetter(PHARMAML) - new on STN |
| NEWS 18 | Aug 08 | NTIS has been reloaded and enhanced |
| NEWS 19 | Aug 19 | Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN |
| NEWS 20 | Aug 19 | IFIPAT, IFICDB, and IFIUDB have been reloaded |
| NEWS 21 | Aug 19 | The MEDLINE file segment of TOXCENTER has been reloaded |
| NEWS 22 | Aug 26 | Sequence searching in REGISTRY enhanced |
| NEWS 23 | Sep 03 | JAPIO has been reloaded and enhanced |
| NEWS 24 | Sep 16 | Experimental properties added to the REGISTRY file |
| NEWS 25 | Sep 16 | CA Section Thesaurus available in CAPLUS and CA |
| NEWS 26 | Oct 01 | CASREACT Enriched with Reactions from 1907 to 1985 |
| NEWS 27 | Oct 21 | EVENTLINE has been reloaded |
| NEWS 28 | Oct 24 | BEILSTEIN adds new search fields |
| NEWS 29 | Oct 24 | Nutraceuticals International (NUTRACEUT) now available on STN |
| NEWS 30 | Oct 25 | MEDLINE SDI run of October 8, 2002 |
| NEWS 31 | Nov 18 | DKLIT has been renamed APOLLIT |
| NEWS 32 | Nov 25 | More calculated properties added to REGISTRY |
| NEWS 33 | Dec 02 | TIBKAT will be removed from STN |
| NEWS 34 | Dec 04 | CSA files on STN |
| NEWS 35 | Dec 17 | PCTFULL now covers WP/PCT Applications from 1978 to date |
| NEWS 36 | Dec 17 | TOXCENTER enhanced with additional content |
| NEWS 37 | Dec 17 | Adis Clinical Trials Insight now available on STN |
| NEWS 38 | Dec 30 | ISMEC no longer available |
| NEWS 39 | Jan 21 | NUTRACEUT offering one free connect hour in February 2003 |
| NEWS 40 | Jan 21 | PHARMAML offering one free connect hour in February 2003 |
| NEWS 41 | Jan 29 | Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC |
| NEWS 42 | Feb 13 | CANCERLIT is no longer being updated |
| NEWS 43 | Feb 24 | METADEX enhancements |
| NEWS 44 | Feb 24 | PCTGEN now available on STN |
| NEWS 45 | Feb 24 | TEMA now available on STN |
| NEWS 46 | Feb 26 | NTIS now allows simultaneous left and right truncation |
| NEWS 47 | Feb 26 | PCTFULL now contains images |
| NEWS 48 | Mar 04 | SDI PACKAGE for monthly delivery of multifile SDI results |
| NEWS 49 | Mar 19 | APOLLIT offering free connect time in April 2003 |
| NEWS 50 | Mar 20 | EVENTLINE will be removed from STN |
| NEWS 51 | Mar 24 | PATDPAFULL now available on STN |
| NEWS 52 | Mar 24 | Additional information for trade-named substances without
structures available in REGISTRY |
| NEWS 53 | Mar 24 | Indexing from 1957 to 1966 added to records in CA/CAPLUS |
| NEWS EXPRESS | | January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002 |
| NEWS HOURS | | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | | General Internet Information |

NEWS LOGIN

Welcome Banner and News Items

NEWS PHONE

Direct Dial and Telecommunication Network Access to STN

NEWS WWW

CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* *

FILE 'HOME' ENTERED AT 12:10:50 ON 02 APR 2003

=>

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

0.21 0.21

FILE 'REGISTRY' ENTERED AT 12:11:21 ON 02 APR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 APR 2003 HIGHEST RN 501325-53-7
 DICTIONARY FILE UPDATES: 1 APR 2003 HIGHEST RN 501325-53-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

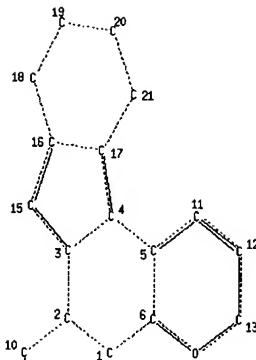
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

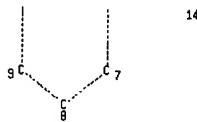
L1 STRUCTURE uploaded

=> dis que

L1 STR



Page 1-A



Page 2-A

NODE ATTRIBUTES:

```

NSPEC IS R AT 1
NSPEC IS R AT 2
NSPEC IS R AT 3
NSPEC IS R AT 4
NSPEC IS R AT 5
NSPEC IS R AT 6
NSPEC IS R AT 7
NSPEC IS R AT 8
NSPEC IS R AT 9
NSPEC IS R AT 10
NSPEC IS R AT 11
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NSPEC IS R AT 13
NSPEC IS R AT 14
NSPEC IS R AT 15
NSPEC IS R AT 16
NSPEC IS R AT 17
NSPEC IS R AT 18
NSPEC IS R AT 19
NSPEC IS R AT 20
NSPEC IS R AT 21
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

>>> s 11

SAMPLE SEARCH INITIATED 12:12:55 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1784 TO ITERATE

56.1% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 33147 TO 38213
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

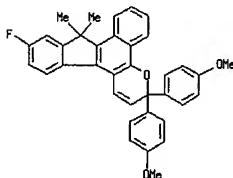
=> search l1
 ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT..
 ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
 FULL SEARCH INITIATED 12:13:19 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 36732 TO ITERATE

100.0% PROCESSED 36732 ITERATIONS 31 ANSWERS
 SEARCH TIME: 00.00.01

L3 31 SEA SSS FUL L1

=> d 13 1-10

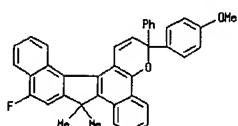
L3 ANSWER 1 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-75-2 REGISTRY
 CN Benzo[1,2]fluoreno[3,4-b]pyran, 11-fluoro-3,9-dihydro-3,3-bis(4-methoxyphenyl)-9,9-dimethyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C36 H29 F O3
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

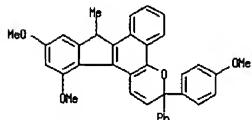
L3 ANSWER 2 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-74-1 REGISTRY
 CN Dibenzo[1,2:5,6]fluoreno[3,4-b]pyran, 13-fluoro-6,15-dihydro-6-(4-methoxyphenyl)-15,15-dimethyl-6-phenyl- (9CI) (CA INDEX NAME)
 MF C39 H29 F O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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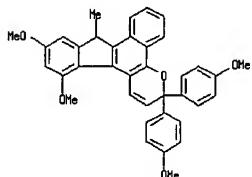
L3 ANSWER 3 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 441330-73-0 REGISTRY
CN Benzo[1,2]fluoreno[3,4-b]pyran, 3,9-dihydro-11,13-dimethoxy-3-(4-methoxyphenyl)-9-methyl-3-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C36 H30 O4
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

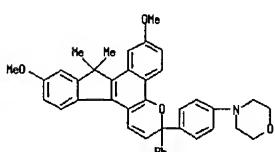
L3 ANSWER 4 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 441330-72-9 REGISTRY
CN Benzo[1,2]fluoreno[3,4-b]pyran, 3,9-dihydro-11,13-dimethoxy-3,3-bis(4-methoxyphenyl)-9-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H32 O5
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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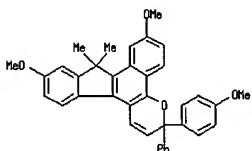
L3 ANSWER 5 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 441330-70-7 REGISTRY
CN Morpholine, 4-[4-(3,9-dihydro-7,11-dimethoxy-9,9-dimethyl-3-phenylbenzo[1,2]fluoreno[3,4-b]pyran-3-yl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C40 H37 N O4
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

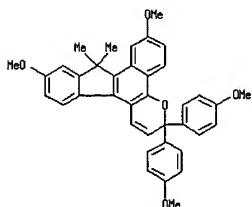
L3 ANSWER 6 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-68-3 REGISTRY
 CN Benzo[1,2]fluoreno[3,4-b]pyran, 3,9-dihydro-7,11-dimethoxy-3-(4-methoxyphenyl)-9,9-dimethyl-3-phenyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C37 H32 O4
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

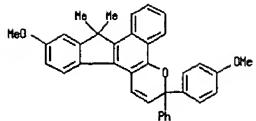
L3 ANSWER 7 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-66-1 REGISTRY
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 FS 3D CONCORD
 MF C38 H34 O5
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

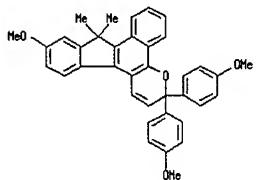
L3 ANSWER 8 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-64-9 REGISTRY
 CN Benzo[1,2]fluoreno[3,4-b]pyran, 3,9-dihydro-11-methoxy-3-(4-methoxyphenyl)-9,9-dimethyl-3-phenyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C36 H30 O3
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

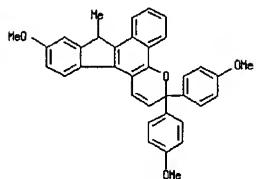
L3 ANSWER 9 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 441330-62-7 REGISTRY
CN Benzo[1,2]fluoreno[3,4-b]pyran, 3,9-dihydro-11-methoxy-3,3-bis(4-methoxyphenyl)-9,9-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H32 O4
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 10 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 441330-60-5 REGISTRY
CN Benzo[1,2]fluoreno[3,4-b]pyran, 3,9-dihydro-11-methoxy-3,3-bis(4-methoxyphenyl)-9-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C36 H30 O4
SR CA
LC STN Files: CA, CAPLUS

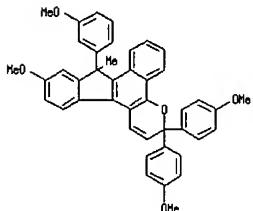


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d 13 11-20

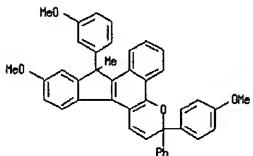
L3 ANSWER 11 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 441330-58-1 REGISTRY
CN Benzo[1,2]fluoreno[3,4-b]pyran, 3,9-dihydro-11-methoxy-9-(3-methoxyphenyl)-
3,3-bis(4-methoxyphenyl)-9-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C43 H36 O5
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

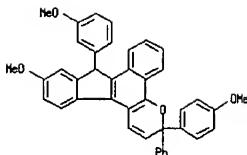
L3 ANSWER 12 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 441330-56-9 REGISTRY
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3-(4-methoxyphenyl)-9-methyl-3-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C42 H34 O4
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

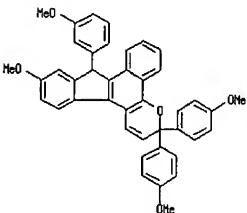
L3 ANSWER 13 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 441330-54-7 REGISTRY
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3-(4-methoxyphenyl)-3-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C41 H32 O4
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

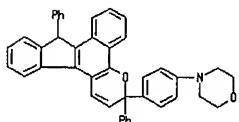
L3 ANSWER 14 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-52-5 REGISTRY
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 3,3-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C42 H34 O5
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 15 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-50-3 REGISTRY
 CN Morpholine, 4- [4- (3,9-dihydro-3,9-diphenylbenzo[1,2]fluoreno[3,4-b]pyran-3-yl)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C42 H33 N O2
 SR CA
 LC STN Files: CA, CAPLUS

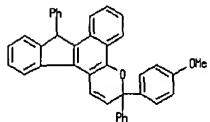


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 16 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-48-9 REGISTRY
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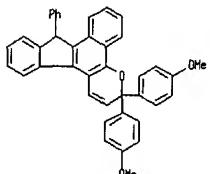
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 MF 3D CONCORD
 MF C39 H28 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

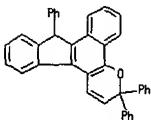
L3 ANSWER 17 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-46-7 REGISTRY
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 FS 3D CONCORD
 MF C40 H30 O3
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 18 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 441330-45-6 REGISTRY
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 MF C38 H26 O
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 LC STN Files: CA, CAPLUS

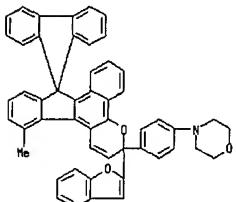


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

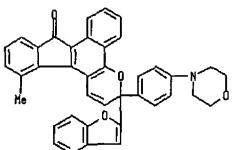
L3 ANSWER 19 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 309724-32-1 REGISTRY
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 FS 3D CONCORD
 MF C51 H37 N O3
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 20 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 309724-31-0 REGISTRY
 CN Benzo[1,2]fluoreno[3,4-b]pyran-9(3H)-one, 3-(2-benzofuranyl)-13-methyl-3-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)
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 MF C39 H29 N O4
 SR CA
 LC STN Files: CA, CAPLUS

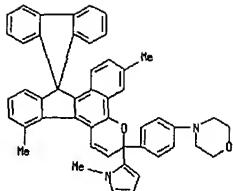


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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> d 13 21-31

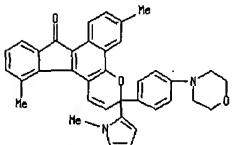
L3 ANSWER 21 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 309724-30-9 REGISTRY
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 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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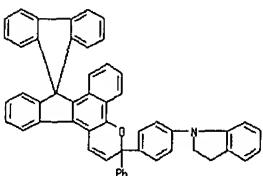
L3 ANSWER 22 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 309724-29-6 REGISTRY
CN Benzo[1,2]fluoreno[3,4-b]pyran-9(3H)-one, 6,13-dimethyl-3-(1-methyl-1H-pyrrol-2-yl)-3-[4-(4-morpholinyl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C37 H32 N2 O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

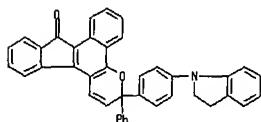
L3 ANSWER 23 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 309724-28-5 REGISTRY
CN 1H-Indole, 1-[4-(3-phenylspiro[benzo[1,2]fluoreno[3,4-b]pyran-9(3H),9'-[9H]fluoren]-3-yl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C52 H35 N O
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

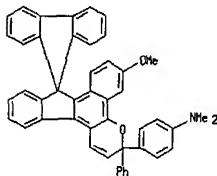
L3 ANSWER 24 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 309724-27-4 REGISTRY
CN Benzo[1,2]fluoreno[3,4-b]pyran-9(3H)-one, 3-[4-(2,3-dihydro-1H-indol-1-yl)phenyl]-3-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C40 H27 N O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

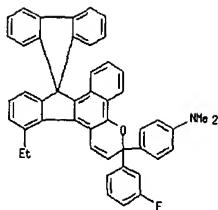
L3 ANSWER 25 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 309724-26-3 REGISTRY
CN Benzenamine, 4-(6-methoxy-3-phenylspiro[benzo[1,2]fluoreno[3,4-b]pyran-9(3H),9'-[9H]fluoren]-3-yl)-N,N-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C47 H35 N O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

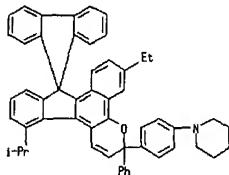
L3 ANSWER 26 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 309724-24-1 REGISTRY
CN Benzenamine, 4-[13-ethyl-3-(3-fluorophenyl)spiro[benzo[1,2]fluoreno[3,4-b]pyran-9(3H),9'-[9H]fluoren]-3-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)
MF C48 H36 F N O
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

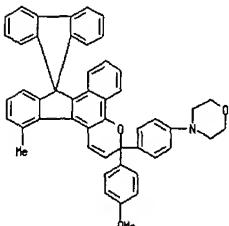
L3 ANSWER 27 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 309724-22-9 REGISTRY
CN Piperidine, 1-[4-[6-ethyl-13-(1-methylethyl)-3-phenylspiro[benzo[1,2]fluoreno[3,4-b]pyran-9(3H),9'-[9H]fluoren]-3-yl]phenyl]- (9CI) (CA INDEX NAME)
MF C54 H47 N O
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

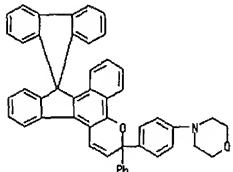
L3 ANSWER 28 OF 31 REGISTRY COPYRIGHT 2003 ACS
RN 309724-20-7 REGISTRY
CN Morpholine, 4-[4-[3-(4-methoxyphenyl)-13-methylspiro[benzo[1,2]fluoreno[3,4-b]pyran-9(3H),9'-[9H]fluoren]-3-yl]phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C50 H39 N O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 29 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 309724-18-3 REGISTRY
 CN Morpholine, 4-[4-(3-phenylspiro[benzo[1,2]fluoreno[3,4-b]pyran-9(3H),9'-[9H]fluoren]-3-yl)phenyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C48 H35 N O2
 SR CA
 LC STN Files: CA, CAPLUS

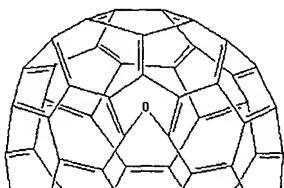


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

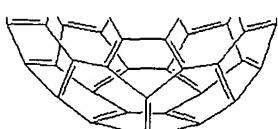
1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 30 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 145536-46-5 REGISTRY
 CN 6a-Oxa-1,6(6a)-homo[5,6]fullerene-C70-D5h(6) (9CI) (CA INDEX NAME)
 MF C70 O
 CI RPS
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

PAGE 1-A



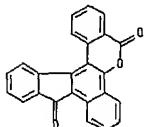
PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1962 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 31 OF 31 REGISTRY COPYRIGHT 2003 ACS
 RN 120613-48-1 REGISTRY
 CN Benzoic acid, o-(5-hydroxy-11-oxo-11H-benzo[a]fluoren-6-yl)-,
 δ-lactone (6CI) (CA INDEX NAME)
 MF C24 H12 O3
 SR CAOLD
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus
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 ENTRY SESSION
 FULL ESTIMATED COST 203.03 203.24

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 FILE LAST UPDATED: 1 Apr 2003 (20030401/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13
 L4 7 L3
 => d 14 1-7
 L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS
 Full Citng
 Text References
 AN 2002:521724 CAPLUS
 DN 137:95162

TI Photochromic indenonaphthopyran dyes and polymeric compositions containing them
 IN Petrovskaya, Olga G.; Kumar, Anil
 PA Transitions Optical, Inc., USA
 SO PCT Int. Appl., 62 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|------------------------|----------|
| PI | <u>WO 2002053553</u> | A1 | 20020711 | <u>WO 2001-US49313</u> | 20011219 |
| | W: AM, AT, BG, BZ, CN, CR, DE, DK, ES, FI, GB, ID, IL, IN, IS, JP, KR, KZ, LU, LV, MG, MK, PL, PT, RU, SD, SI, SK, YU, ZA, RU, TJ, TM | | | | |
| | RW: GH, GM, ZW, AT, DE, DK, FI, FR, GB, GR, LU, MC, RU, CI, CM, GA, GN, NE, SN, TD, TG | | | | |

PRAI US 2000-258973P P 20001229

OS MARPAT 137:95162

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2002:344023 CAPLUS
 DN 137:78813
 TI Ozonides, Epoxides, and Oxidoannulenes of C₇₀
 AU Heymann, Dieter; Bachilo, Sergei M.; Weisman, R. Bruce
 CS Department of Earth Science and the Department of Chemistry, Rice Quantum Institute and Center for Nanoscale Science and Technology, Rice University, Houston, TX, 77251, USA
 SO Journal of the American Chemical Society (2002), 124(22), 6317-6323
 CODEN: JACSAT; ISSN: 0002-7863
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 137:78813
 RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2000:833291 CAPLUS
 DN 134:23565
 TI Photochromic chromene compound
 IN Hyakuta, Junji; Komuro, Yasuko
 PA Tokuyama Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|----------------------|------|----------|-----------------------|----------|
| PI | <u>JP 2000327675</u> | A2 | 20001128 | <u>JP 1999-144073</u> | 19990524 |

PRAI JP 1999-144073 19990524

OS MARPAT 134:23565

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 1998:95951 CAPLUS
 DN 128:248802
 TI Theoretical studies of C₆₀/C₇₀ fullerene derivatives: C₆₀₀ and C₇₀₀
 AU Wang, Bo-Cheng; Chen, Likey; Chou, Yu-Ma
 CS Dep. of Chemistry, Tamkang University, Tamsui, 252, Taiwan

SO THEOCHEM (1998), 422, 153-158
 CODEN: THEODJ; ISSN: 0166-1280

PB Elsevier Science B.V.
 DT Journal
 LA English

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS

| | |
|------|------------|
| Full | Citing |
| Text | References |

AN 1993:434644 CAPLUS

DN 119:34644

TI Fullerene derivatives: structures and stabilities of fullerene oxides (C₆₀O and C₇₀O)

AU Raghavachari, Krishnan .

CS AT and T Bell Lab., Murray Hill, NJ, 07974, USA

SO International Journal of Modern Physics B: Condensed Matter Physics, Statistical Physics, Applied Physics (1992), 6(23-24), 3821-31
 CODEN: IJPBEV; ISSN: 0217-9792

DT Journal

LA English

L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS

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| Full | Citing |
| Text | References |

AN 1993:67077 CAPLUS

DN 118:67077

TI Ground state of C₇₀ fullerene oxide (C₇₀O): oxygen bridging at the equatorial belt

AU Raghavachari, Krishnan; Rohlfing, Celeste McMichael

CS AT and T Bell Lab., Murray Hill, NJ, 07974, USA

SO Chemical Physics Letters (1992), 197(4-5), 495-8
 CODEN: CHPLBC; ISSN: 0009-2614

DT Journal

LA English

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS

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|------|------------|
| Full | Citing |
| Text | References |

AN 1959:11733 CAPLUS

DN 53:11733

OREF 53:2183i,2184a-f

TI Preparation of a substituted 1,2-benzofluorenone: an unusual Perkin reaction

AU Godfrey, John C.; Barnes, Roderick A.

CS Rutgers State Univ., New Brunswick, NJ

SO J. Am. Chem. Soc. (1958), 80, 3902-4
 CODEN: JACSAT; ISSN: 0002-7863

DT Journal

LA Unavailable

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